

User Guide

LP and JC Series

Beside-the-Press Granulators

Installation

Maintenance

Operation

Troubleshooting

*Instant Access
Parts and Service
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UGG002/0998



WARNING - Reliance on this Manual Could Result in Severe Bodily Injury or Death!

This manual is out-of-date and is provided only for its technical information, data and capacities. Portions of this manual detailing procedures or precautions in the operation, inspection, maintenance and repair of the product forming the subject matter of this manual may be inadequate, inaccurate, and/or incomplete and cannot be used, followed, or relied upon. Contact Conair at info@conairgroup.com or 1-800-654-6661 for more current information, warnings, and materials about more recent product manuals containing warnings, information, precautions, and procedures that may be more adequate than those contained in this out-of-date manual.

Please record your equipment's model and serial number(s) and the date you received it in the spaces provided.

It's a good idea to record the model and serial number(s) of your equipment and the date you received it in the User Guide. Our service department uses this information, along with the manual number, to provide help for the specific equipment you installed.

Please keep this User Guide and all manuals, engineering prints and parts lists together for documentation of your equipment.

Date:
Manual Number: UGG002/0998
Serial number(s):
Model number(s):

The Conair equipment described in this publication is covered by: U.S. Patent number 4,706,899.

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INTRODUCTION

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PURPOSE OF THE USER GUIDE

This User Guide describes the Conair LP and JC model granulators and explains step-by-step how to install, operate, maintain and repair this equipment.

Before installing this product, please take a few moments to read the User Guide and review the diagrams and safety information in the instruction packet. You also should review manuals covering associated equipment in your system. This review won't take long, and it could save you valuable installation and operating time later.

HOW THE GUIDE IS ORGANIZED

Symbols have been used to help organize the User Guide and call your attention to important information regarding safe installation and operation.



Symbols within triangles warn of conditions that could be hazardous to users or could damage equipment. Read and take precautions before proceeding.



Numbers within shaded squares indicate tasks or steps to be performed by the user.



A diamond indicates the equipment's response to an action performed by the user.



An open box marks items in a checklist.



A shaded circle marks items in a list.

YOUR RESPONSIBILITY AS A USER

You must be familiar with all safety procedures concerning installation, operation and maintenance of this equipment. Responsible safety procedures include:

- Thorough review of this User Guide, paying particular attention to hazard warnings, appendices and related diagrams.
- Thorough review of the equipment itself, with careful attention to voltage sources, intended use and warning labels.
- Thorough review of instruction manuals for associated equipment.
- Step-by-step adherence to instructions outlined in this User Guide.

We design equipment with the user's safety in mind. You can avoid the potential hazards identified on this machine by following the procedures outlined below and elsewhere in the User Guide.

 **ATTENTION:**
READ THIS SO NO
ONE GETS HURT



WARNING: Improper installation, operation or servicing may result in equipment damage or personal injury.

This equipment should be installed, adjusted, and serviced by qualified technical personnel who are familiar with the construction, operation and potential hazards of this type of machine.


All wiring, disconnects and fuses should be installed by qualified electrical technicians in accordance with electrical codes in your region. Always maintain a safe electrical ground. Improper grounding can result in severe personal injury and erratic machine operation. Do not operate the equipment at power levels other than what is specified on the the machine serial tag and data plate.



DANGER: Amputation hazard.

This equipment uses sharp, rotating blades that can cause severe personal injury, including amputation. To avoid this hazard:

- Do **not** remove guards during operation.
- Do **not** remove or bypass the electrical interlocks that prevent operation when the cutting chamber is open or blades are exposed.
- Always disconnect and lock out the incoming main power source before opening the cutting chamber or performing non-standard operating procedures, such as routine maintenance.
- Always use extreme caution when the cutting chamber is open. Wear gloves when handling the knives.
- Follow the safe operating procedures as outlined in this User Guide.

 **ATTENTION:**
READ THIS SO NO
ONE GETS HURT



WARNING: Voltage hazard

This equipment is powered by three-phase alternating current, as specified on the machine serial tag and data plate.

Always disconnect and lock out the incoming main power source before opening the electrical enclosure or performing non-standard operating procedures, such as routine maintenance. Only qualified personnel should perform troubleshooting procedures that require access to the electrical enclosure while power is on.



WARNING: Follow these procedures for safe operation.

- Do **not** start the machine with material in the cutting chamber.
- Do **not** operate with foreign objects on or around granulator.
- Do **not** attempt to bypass safety interlocks.
- Do **not** feed large lumps or purgings.
- Do **not** allow the bin to overfill.
- Do **not** batch feed LP model granulators.
- Always start machine **before** feeding material.
- Feed only the amount and type of material for which the granulator has been sized and designed to granulate.
- Allow machine to purge **before** turning it off.
- Periodically inspect knives for wear and proper clearance. Adjust, sharpen or replace as necessary. Failure to do this could affect performance.
- Rotate the screen to extend screen life. The screen will show washout on the holes on one side if this is not done.

DESCRIPTION

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TYPICAL APPLICATIONS

LP model granulators are designed for robot or conveyor fed sprues, runners, and light duty parts. The LP granulator should not be batch fed.

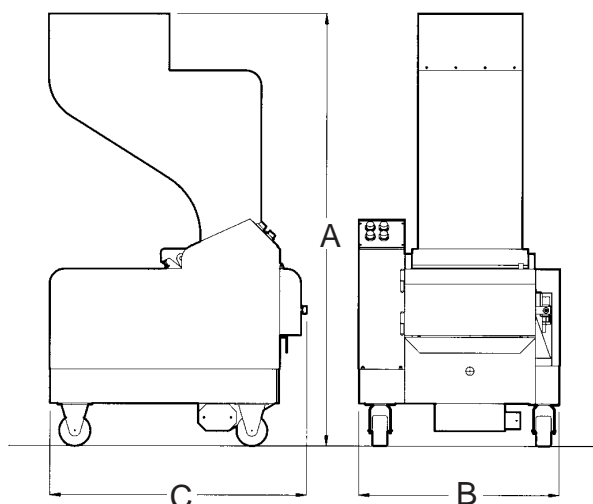
Primarily designed for beside-the-press applications, the LP granulators have a low infeed height for closed-loop robot/granulator systems. The low rotor speed provides better regrind, less noise, reduced flyback, and less wear with abrasive material.

JC model granulators are designed for batch fed parts and runners and tough applications. The JC granulator may be used beside the processing machine or in a central granulation application.

Primarily designed for engineered materials, thick cross section parts and runners, the JC granulator produces a higher throughput per hour and requires less horsepower than a conventional 3-blade rotor, due to the standard flywheel coupled to the helical rotor.

SPECIFICATIONS: LP MODELS

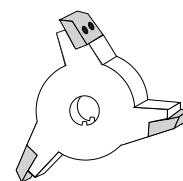
GRANULATOR WITH STANDARD ROBOT/CONVEYOR FEED HOPPER



STANDARD HELICAL ROTOR



STANDARD HELICAL SEGMENT



OPTIONAL BOLT-ON-TIP SEGMENT

MODELS	LP-78	LP-810	LP-814	LP-1016	LP-1021
Performance characteristics					
Maximum throughput* lbs/hr {kg/hr}	100 {45}	120 {54}	150 {68}	200 {91}	300 {136}
Cutting chamber in. {mm}	7 x 8 {178 x 203}	8 x 10 {203 x 254}	8 x 14 {203 x 356}	10 x 16 {254 x 406}	10 x 21 {254 x 533}
Cutting circle in. {mm}	6.4 {163}	6.4 {163}	6.4 {163}	8 {203}	8 {203}
Rotor speed rpm	140	140	140	140	140
Standard Motor power Hp	3	3	3	5	5
Rotor type	helical rotor standard (bolt-on-tips optional)				
Screen mesh sizes	ranges from 3/16 to 3/8 in. {4.76 to 9.53 mm}				
Dimensions inches {mm}					
A - Height	52 {1320}	54 {1372}	57 {1448}	59 {1499}	59 {1499}
B - Width	20 {508}	23 {584}	27 {686}	30 {762}	35 {889}
C - Depth	27 {1350}	27 {1350}	30 {1350}	34 {1350}	34 {1350}
D - Infeed height	52 {1321}	52 {1321}	57 {1448}	59 {1499}	59 {1499}
Hopper opening in. {mm}	12 x 14 {305 x 356}	14 x 16 {356 x 406}	14 x 16 {356 x 406}	16 x 18 {406 x 457}	18 x 21 {457 x 533}
Weight lbs {kg}					
Installed	700 {318}	820 {372}	900 {408}	1200 {544}	1400 {635}
Shipping	790 {358}	880 {399}	1015 {460}	1400 {635}	1745 {792}
Blades					
Number of rotor segments	5	7	7	9	12
Number of bolt-on knives	NA	5	7	6	8
Number of stationary knives	2	2	2	2	2
Voltages Total full load amps					
460V/3 phase/60 hz	4.2	4.2	4.2	6.5	6.5
230V/3 phase/60 hz	8.4	8.4	8.4	13.0	13.0
208V/3 phase/60 hz	10.8	17.9	17.9	35.9	53.8
575V/3 phase/60 hz	3.9	6.5	6.5	13.0	19.5
380V/3 phase/50 hz	5.9	9.8	9.8	19.6	29.5
415V/3 phase/50 hz	5.9	9.8	9.8	19.6	29.5
Noise level§					
With standard soundproofed hopper	< 87 dbA				

SPECIFICATION NOTES:

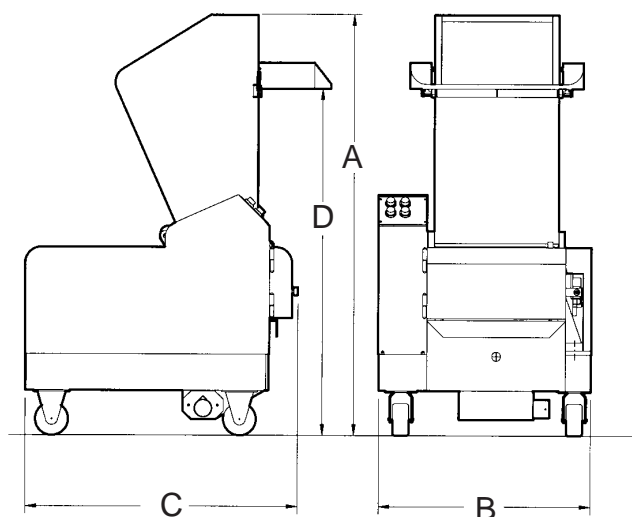
* Throughputs are provided as a capacity guideline only. Throughput will vary according to the size, shape, thickness and properties of the material to be cut, as well as the desired size of the granulate. Consult Conair for a material test or help determining the correct granulator model for your application.

§ Noise level will vary according to material type being processed and the granulator configuration. These ranges are based on tests using SPI standards.

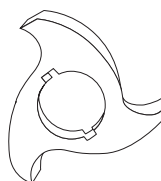
Specifications may change without notice. Check with a Conair representative for the most current information.

SPECIFICATIONS: JC MODELS

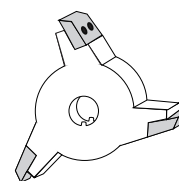
GRANULATOR WITH STANDARD ROBOT/CONVEYOR FEED HOPPER



STANDARD HELICAL ROTOR



STANDARD HELICAL SEGMENT



OPTIONAL BOLT-ON-TIP SEGMENT

MODELS	JC-78	JC-810	JC-814	JC-1016	JC-1021
Performance characteristics					
Maximum throughput* lbs/hr {kg/hr}	300 {136}	400 {181}	600 {272}	800 {363}	1000 {454}
Cutting chamber in. {mm}	7 x 8 {178 x 203}	8 x 10 {203 x 254}	8 x 14 {203 x 356}	10 x 16 {254 x 406}	10 x 21 {254 x 533}
Cutting circle in. {mm}	6.4 {163}	6.4 {163}	6.4 {163}	8 {203}	8 {203}
Rotor speed rpm	600	600	600	520	520
Standard motor power Hp	3	5	5	10	15
Rotor type	helical rotor standard (bolt-on-tips optional)				
Screen mesh sizes	ranges from 3/16 to 3/8 in. {4.76 to 9.53 mm}				
Dimensions inches {mm}					
A - Height	54 {1372}	54 {1372}	54 {1372}	62 {1575}	62 {1575}
B - Width	20 {508}	23 {584}	27 {686}	30 {762}	35 {889}
C - Depth	27 {1350}	27 {1350}	30 {1350}	34 {1350}	34 {1350}
D - Infeed height	45 {1143}	45 {1143}	45 {1143}	52 {1321}	52 {1321}
Hopper opening in. {mm}	7 x 8 {178 x 203}	8 x 10 {203 x 254}	8 x 14 {203 x 356}	10 x 16 {254 x 406}	10 x 21 {254 x 533}
Weight lbs {kg}					
Installed	760 {345}	880 {399}	950 {431}	1350 {612}	1550 {703}
Shipping	815 {370}	960 {435}	1015 {460}	1545 {701}	1745 {792}
Blades					
Number of rotating helical knives	5	7	7	9	12
Number of bolt-on-knives	NA	5	7	6	8
Number of bed knives	2	2	2	2	2
Voltages Full load amps					
460V/3 phase/60 hz	4.9	8.1	8.1	16.2	24.3
230V/3 phase/60 hz	9.7	16.2	16.2	32.4	48.7
208V/3 phase/60 hz	10.8	17.9	17.9	35.9	53.8
575V/3 phase/60 hz	3.9	6.5	6.5	13.0	19.5
380V/3 phase/50 hz	5.9	9.8	9.8	19.6	29.5
415V/3 phase/50 hz	5.9	9.8	9.8	19.6	29.5
Noise level §					
With standard soundproofed hopper	< 87 dbA				

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§ Noise level will vary according to material type being processed and the granulator configuration. These ranges are based on tests using SPI standards.

Specifications may change without notice. Check with a Conair representative for the most current information.

INSTALLATION

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INSTALLING THE GRANULATOR



WARNING: Improper installation may result in equipment damage or personal injury.

This equipment should be installed, adjusted, and serviced by qualified technical personnel who are familiar with the construction, operation and potential hazards of this type of machine.

All wiring, disconnects and fuses should be installed by qualified electrical technicians in accordance with electrical codes in your region. Always maintain a safe electrical ground. Improper grounding can result in severe personal injury and erratic machine operation. Do not operate the equipment at power levels other than what is specified on the the machine serial tag and data plate.

1 Move the granulator to the operating location.

2 Connect the main power.

See the wiring diagrams for your model for connection information. Make sure the supply voltage is the same as specified on the serial tag and data plate on the granulator.

PRE-OPERATION TESTS AND INSPECTION



DANGER: TO AVOID AMPUTATION

1. Disconnect and lockout all power.
2. Do NOT operate without covers.
3. Do NOT override interlock switches.

1 Disconnect and lock out the main power.

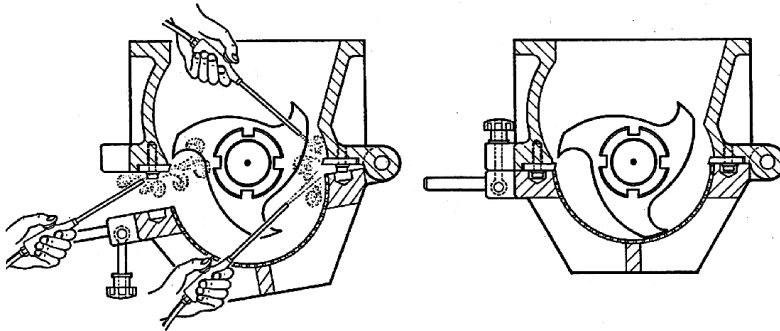
2 Open and inspect the machine.

Disengage safety interlocks, release the hopper latch and open the hopper. Open screen cradle using hand knobs.



PRE-OPERATION TESTS AND INSPECTION

- 3** Clean the screen cradle thoroughly.



- 4** Close the screen cradle and machine.

The screen cradle must close tightly to the cutting chamber or machine damage could occur.

- 5** Verify rotation of all motors **BEFORE** processing material. When using a blower to evacuate, blower must be started first. To start blower motor, press BLOWER START button. Verify blower impeller rotation by jogging blower motor and checking the fan rotation against the rotation indicator arrow.

- 6** To start the rotor motor, press the **ROTOR START** button. With motor on, verify rotor shaft is rotating in the direction of the arrow located over the outboard bearing. For JC style units, outboard side guard panel must be removed to view. Re-install after checking rotation.



- 7** To stop the machine, press the **ROTOR STOP** button. Wait 30 seconds after stopping the rotor, then stop the blower by pressing BLOWER STOP button.

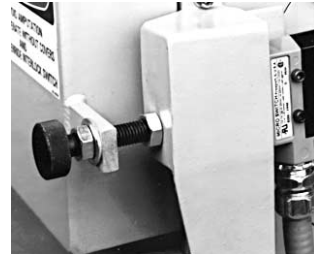
OPERATION

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SAFE OPERATING PRECAUTIONS

In order to maintain your equipment's safe operation, follow these precautions.

- Do NOT start machine with material in chamber.
- Do NOT operate with foreign objects on or around granulator.
- Do NOT attempt to bypass safety interlocks.
- Do NOT feed large lumps or purgings.
- Do NOT allow bin to overfill.
- Do NOT batch feed LP series.
- Always start machine BEFORE feeding material.
- Only feed in the proper amount that the granulator is sized for and capable of granulating.
- Allow machine to purge BEFORE turning OFF.
- Periodically inspect knives for wear and proper clearance. Adjust, sharpen or replace as necessary. Failure to do this could affect performance.
- Rotate the screen to extend screen life. The screen will show washout on the holes on one side if this is not done.



IMPORTANT: When using your own method of regrind removal, the rate of material throughput should NEVER exceed the rate of removal, or jam-ups within the granulator will occur. We recommend a high level proximity switch if bin overfill is a problem.

-
- 1 Inspect and clean the granulator.**
See the *Pre-Operation Test and Inspection* procedures in the Installation section.

To START GRANULATING

- 2 After inspection, close machine completely.**
- 3 If a blower is being used to evacuate, start blower motor first.** To do this, press BLOWER START button.
- 4 Start rotor motor** by pressing ROTOR START button.

IMPORTANT: *If there is any abnormal sound or operation, stop the rotor motor, disconnect the main power and refer to the Troubleshooting section.*

- 5 Begin feeding material slowly at first** to determine the maximum amount machine is capable of granulating without overfeeding.

-
- 1 Stop the rotor motor first.** To stop the rotor motor, press the ROTOR STOP button.
 - 2 If a blower is being used to evacuate, stop the blower motor 30 seconds AFTER stopping the rotor motor.** To stop the blower motor, press the BLOWER STOP button. Doing this ensures all granulated material is purged, thus eliminating jam ups within the cutting chamber and/or blower system.

To STOP GRANULATING

MAINTENANCE

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PREVENTATIVE MAINTENANCE CHECKLIST



CAUTION: Voltage and amputation hazard.

Disconnect and lock out the main power supply before attempting to perform an maintenance or troubleshooting procedures.



Use extreme care when cutting chamber is open. Exposed knives are sharp!
We recommend wearing gloves when handling knives.

- Rotate the screen to obtain even wear and extend screen life. The screen will show washout on the holes on one side if this is not done.
- Periodically, inspect knives for wear and proper clearance. Adjust, sharpen or replace as necessary. Keep the knives sharp at all times.
- Rotate the rotating end disc 180 degrees at blade sharpening interval to extend disc life.
- Grease the outboard rotor shaft bearing every three (3) months or as required. Do NOT over grease. Damage to the bearing seal could result.
- Periodically inspect all nuts, bolts and screws to ensure that none have become loose due to operation.
- Inspect the cutting chamber about every 3 months to make sure that material is not getting caught between the end discs and the chamber walls.

REPLACING THE HELICAL SEGMENTS

To replace the helical segments, see the following sets of instructions.

Getting ready

Removing the bearing flange

Removing and replacing blades

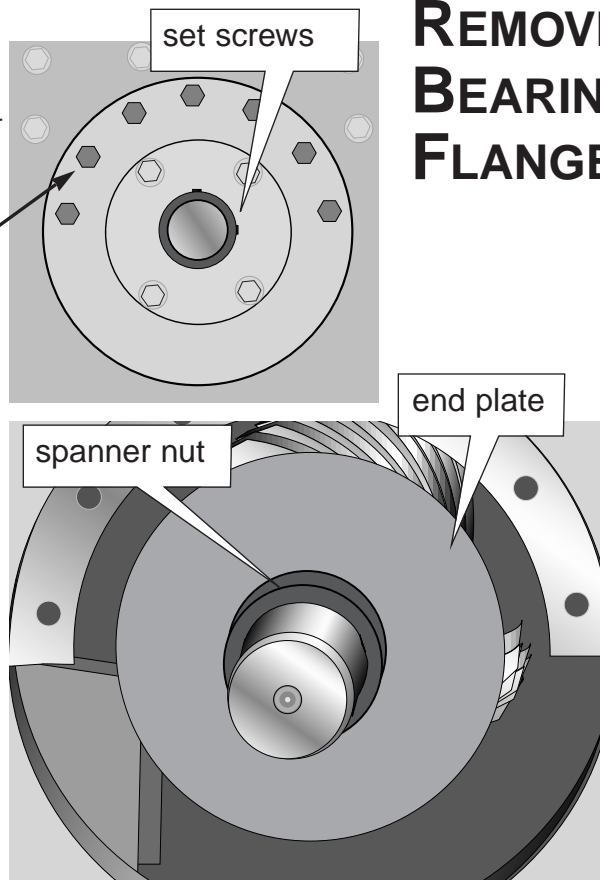
Finishing up

GETTING READY

- 1** Open the granulator front door.
- 2** Remove the granule bin.
- 3** Tilt the hopper back. (Release the two clamps that hold the hopper.)
- 4** Lower the screen bin and screen. (Loosen the knob bolts.)
- 5** Remove the side panel that covers the bearing flange.
- 6** Remove the safety interlock. It is not necessary to remove any wires, simply remove the two allen bolts.

REMOVING THE BEARING FLANGE

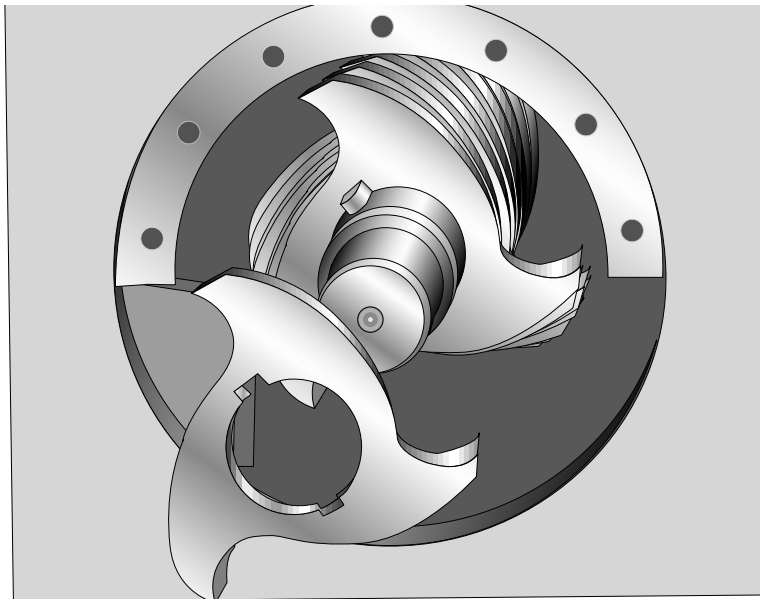
- 1** Loosen the set screws on the bearing stopper. (Use an allen wrench, it is not necessary to remove the screws, just loosen them)
- 2** Remove the bolts holding the bearing flange to the granulator body.
- 3** Use a bearing puller to remove the bearing from the shaft.
- 4** Loosen the spanner nut set screws. (Again, use an allen wrench and do not remove the screws.)
- 5** Remove the spanner nut. (It will be necessary to use a spanner nut wrench.)
- 6** Remove the end plate.



REMOVING AND REPLACING SEGMENTS

NOTE: Rotor blades are numbered. Replace in the same order in which they were removed.

- 1 Remove the segments from the shaft.** Take note of the stamped number on the segments. When you replace the segments, you will want them in the same order.



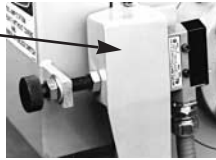
- 2 Wipe down the shaft using a rag and petroleum-based lubricant.**
- 3 Replace the segments in the same direction and in the order that you removed them.**
- 4 Replace the shaft end plate.**
- 5 Replace the spanner nut. Make sure that it is fully tightened.** It may be necessary to place a board in the chamber between the blades and the bed knives to keep the shaft from rotating while tightening.
- 6 Tighten the spanner nut set screws.** We recommend using some type of adhesive/sealant compound.
- 7 Replace the bearing flange.**
- 8 Replace the bearing flange bolts.** Again, use the adhesive/sealant compound.
- 9 Tighten the bearing stopper set screws.**

1 Replace the safety interlock.

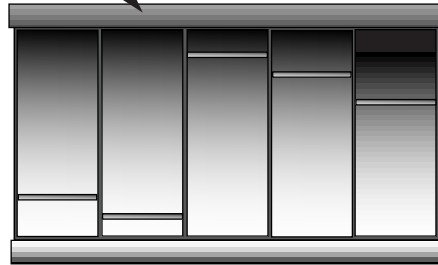
2 Replace the screen.

3 Close the screen cradle.

4 Check the gap between the segments and the bed knives. See KNIFE GAP GUIDELINES. It is extremely important that the knife gap be correct.



FINISHING UP



HELICAL ROTOR BLADE SHARPENING



WARNING:

- Do NOT attempt to weld on these knives.
- Do NOT sharpen OUTSIDE diameter of knives. Permanent damage to knives will occur.
- Damage to knife seats and tips could occur.

NOTE: The knives must be cooled during sharpening. The knives must not be burned or blued under any circumstances.

before

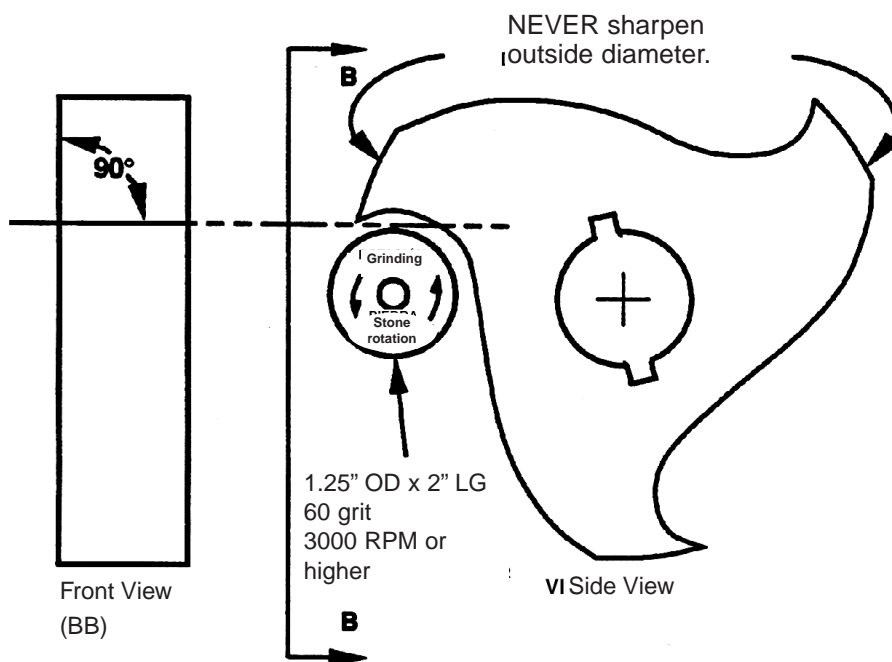


after



Sharpen inside blade tip ONLY!

The distance from the center of the segment to the center of a 1.25 inch OD grinding wheel is 2.80 - .00+.01 for the 8xx series and 3.66 - .00+.01 for the 10xx series. If the distance is too small, the knife tips may bend or break. If the distance is too large, the granulator performance will suffer.



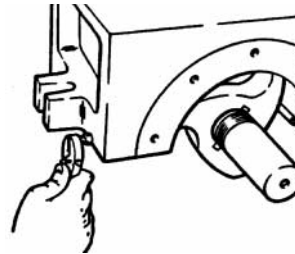
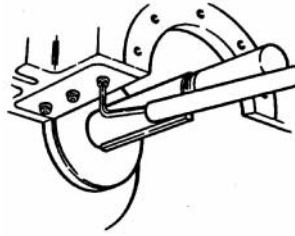
TIP: Conair has a knife sharpening service available. Simply call the toll free number, get your RGA (return goods authorization) number, and send your blades to Conair. You can also purchase extra sets of blades, so it is never necessary to wait while blades are being sharpened.

Repeat steps for HELICAL ROTOR BLADE REMOVAL procedure shown on page 5-3, then proceed with the steps below to remove bed knives for sharpening.

1 Using a socket wrench, remove bed knife bolts.

2 Grind bed knives to 15 degree angle.

3 **Reassemble.** Use bed knife adjusting bolts and a feeler gauge to reset the proper gap between bed knives and rotor blades.



BED KNIFE REMOVAL AND SHARPENING

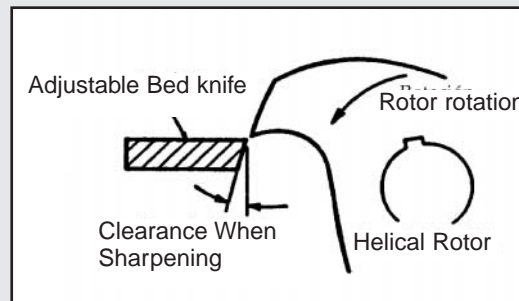
SUGGESTED KNIFE GAP:

General purpose: (.005") to (.009")

Film application: (.003") to (.007")

Tighten bed knife bolts to 85 ft/lb.

Recheck gap
AFTER tightening
to verify clearance
has not changed.



KNIFE GAP GUIDELINES

TROUBLESHOOTING

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- *Screen Cradle Will Not Close . .6-4*
- *Motor Will Not Start6-4*

WHEN TROUBLE OCCURS

You can avoid most problems by following the recommended installation and maintenance procedures outlined in this User Guide. If you do have a problem, this section will help you determine what caused it and how to fix it.

- 1** Turn off the granulator.
- 2** Refer to the charts. Identify the symptom that you saw.
- 3** Perform applicable tasks in the chart.
- 4** If the problem remains, contact Conair.

A FEW WORDS OF CAUTION



WARNING: This machines should be adjusted and serviced only by qualified technical personnel who are familiar with construction and operation of this type of equipment.

DANGER: Amputation and voltage hazard.

Disconnect and lock out the main power supply before attempting to perform any maintenance or troubleshooting procedures.



Make sure blades have stopped rotating before opening the cutting chamber. The knives are sharp and can cause severe personal injury. Use extreme caution when the cutting chamber is open. We recommend wearing gloves when handling the knives.

Symptom	Possible cause	Solution
Stalled Machine	Is the unit being over-loaded?	Feed material more slowly.
	Are knives worn, damaged, or improperly set?	Sharpen, replace, or adjust as required.
	Are screen holes and/or material transition plugged?	Unplug screen and/or material transition.
	Is the motor running in reverse?	Switch two of the three incoming power wires.
	Have you lost power?	Check power supply, electrical hookup and safety interlocks.
Material Overheating	Is unit being overloaded, are knives worn, or is screen blocked?	See above for STALLED MACHINE.
	Are screen holes too small?	Install screen with larger diameter holes.

Symptom	Possible cause	Solution
Knife Breakage	Is there foreign material in scrap?	Examine scrap to be processed for foreign material.
	Are knives seated properly?	Clean knife seat and replace.
	Are knives sufficiently gapped?	Adjust knives for proper clearance.
Screen Cradle Will Not Close	Is screen properly seated?	Remove screen and replace to ensure tight closure.
	Is screen cradle clean?	Remove screen and clean cradle to ensure tight closure.
Motor Will Not Start.	Is main power ON?	Check fuses and/or circuit breakers.
	Are safety interlocks secured?	Check safety switches for operation mechanically and electronically.
	Is motor overheated?	Allow motor to cool and reset overloads.
	Is the cutting chamber full of material?	Clean cutting chamber.
	Has starter failed?	Repair/replace starter.

Conair has made the largest investment in customer support in the plastics industry. Our service experts are available to help with any problem you might have installing and operating your equipment. Your Conair sales representative also can help analyze the nature of your problem, assuring that it did not result from misapplication or improper use.

WE'RE HERE TO HELP

To contact Customer Service personnel, call:
From outside the United States, call: 814-437-6861



HOW TO CONTACT CUSTOMER SERVICE

You can commission Conair service personnel to provide on-site service by contacting the Customer Service Department. Standard rates include an on-site hourly rate, with a one-day minimum plus expenses.

If you do have a problem, please complete the following checklist before calling Conair:

- ☐ Make sure you have all model, serial and parts list numbers for your particular equipment. Service personnel will need this information to assist you.
- ☐ Make sure power is supplied to the equipment.
- ☐ Make sure that all connectors and wires within and between control systems and related components have been installed correctly.
- ☐ Check the troubleshooting guide of this manual for a solution.
- ☐ Thoroughly examine the instruction manual(s) for associated equipment, especially controls. Each manual may have its own troubleshooting guide to help you.
- ☐ Check that the equipment has been operated as described in this manual.
- ☐ Check accompanying schematic drawings for information on special considerations.

BEFORE YOU CALL ...

Additional manuals and prints for your Conair equipment may be ordered through the Customer Service or Parts Departments for a nominal fee.

EQUIPMENT GUARANTEE

Conair guarantees the machinery and equipment on this order, for a period as defined in the quotation from date of shipment, against defects in material and workmanship under the normal use and service for which it was recommended (except for parts that are typically replaced after normal usage, such as filters, liner plates, etc.). Conair's guarantee is limited to replacing, at our option, the part or parts determined by us to be defective after examination. The customer assumes the cost of transportation of the part or parts to and from the factory.

PERFORMANCE WARRANTY

Conair warrants that this equipment will perform at or above the ratings stated in specific quotations covering the equipment or as detailed in engineering specifications, provided the equipment is applied, installed, operated and maintained in the recommended manner as outlined in our quotation or specifications.

Should performance not meet warranted levels, Conair at its discretion will exercise one of the following options:

- Inspect the equipment and perform alterations or adjustments to satisfy performance claims. (Charges for such inspections and corrections will be waived unless failure to meet warranty is due to misapplication, improper installation, poor maintenance practices or improper operation.)
- Replace the original equipment with other Conair equipment that will meet original performance claims at no extra cost to the customer.
- Refund the invoiced cost to the customer. Credit is subject to prior notice by the customer at which time a Return Goods Authorization Number (RGA) will be issued by Conair's Service Department. Returned equipment must be well crated and in proper operating condition, including all parts. Returns must be prepaid.

Purchaser must notify Conair in writing of any claim and provide a customer receipt and other evidence that a claim is being made.

WARRANTY LIMITATIONS

Except for the Equipment Guarantee and Performance Warranty stated above, Conair disclaims all other warranties with respect to the equipment, express or implied, arising by operation of law, course of dealing, usage of trade or otherwise, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.

PARTS

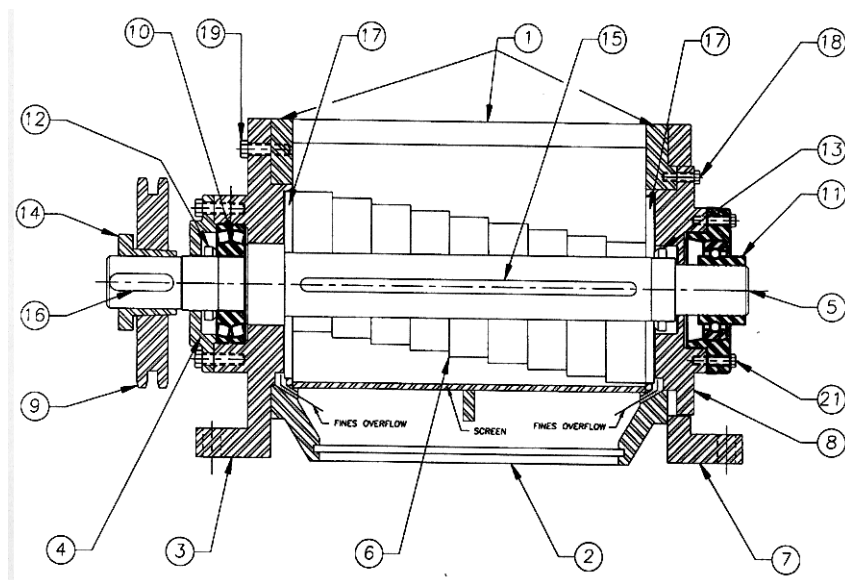
- ***LP Series***

- Cutting ChamberP-2***

- ***JC Series***

- Cutting ChamberP-3***

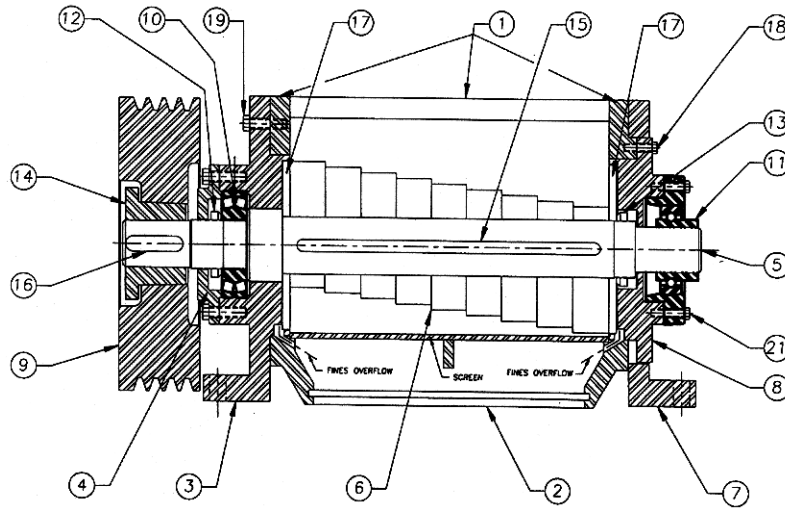
LP SERIES CUTTING CHAMBER



LP Series Cutting Chamber Part List

#	DESCRIPTION	QTY	LP-78	QTY	LP-810	QTY	LP-814	QTY	LP-1016	QTY	LP-1021
1	Upper Head	1	HED-00026	1	HED-00026	1	HED-00024	1	HED-00023	1	HED-00027
2	Screen Cradle	1	CRA-00018	1	CRA-00019	1	CRA-00016	1	CRA-00015	1	CRA-00020
3	Inboard Flange	1	FLG-00036	1	FLG-00036	1	FLG-00038	1	FLG-00029	1	FLG-00028
4	Bearing Cover	1	COV-00214	1	COV-00214	1	COV-00214	1	COV-00215	1	COV-00215
5	Rotor Shaft	1	SHF-00337	1	SHF-00340	1	SHF-00329	1	SHF-00324	1	SHF-00341
6	Rotor Knife Assy	1	ASY-00142	1	ASY-00177	1	ASY-00137	1	ASY-00141	1	ASY-00164
7	Outboard Flange	1	FLG-00038	1	FLG-00038	1	FLG-00038	1	FLG-00032	1	FLG-00032
8	Round Flange	1	FLG-00037	1	FLG-00037	1	FLG-00037	1	FLG-00030	1	FLG-00030
9	Driven Sprocket	1	SPR-00027	1	SPR-00027	1	SPR-00027	1	SPR-00027	1	SPR-00027
10	Inboard Bearing	1	BRG-00788	1	BRG-00788	1	BRG-00788	1	BRG-00788	1	BRG-00788
11	Outboard Bearing	1	BRG-00331	1	BRG-00331	1	BRG-00331	1	BRG-00334	1	BRG-00334
12	Bearing Locknut	1	NUT-00125	1	NUT-00125	1	NUT-00125	1	NUT-00136	1	NUT-00136
13	Segment Locknut	1	NUT-00124	1	NUT-00124	1	NUT-00124	1	NUT-00133	1	NUT-00133
14	Sprocket Bushing	1	64587	1	64587	1	64587	1	BUS-00189	1	BUS-00189
15	Rotor Knife Keys	2	KEY-00031	2	KEY-00040	2	KEY-00027	2	KEY-00029	2	KEY-00037
16	Bushing Key	1	KEY-00028	1	KEY-00028	1	KEY-00028	1	KEY-00039	1	KEY-00039
17	Rotor Knife End Disc	2	DIS-00011	2	DIS-00011	2	DIS-00011	2	DIS-00012	2	DIS-00012
18	Round Flange Bolts	5	212-046-05	5	SCR-00516	5	212-046-05	17	SCR-00302	17	SCR-00302
19	Inboard Flange Bolts	8	SCR-00358	8	SCR-00358	8	SCR-00358	15	212-117-08	15	212-117-08
20	Bedknife Bolts (Not Shown)	8	SCR-00842	8	SCR-00842	8	SCR-00842	12	SCR-00842	12	SCR-00842
21	Outboard Bearing Bolts	18	SCR-00843	18	SCR-00843	18	SCR-00843	4	SCR-00843	4	SCR-00843
22	Bedknives (Not Shown)	2	KNF-00003	2	KNF-00005	2	KNF-00001	2	KNF-00002	4	KNF-00004

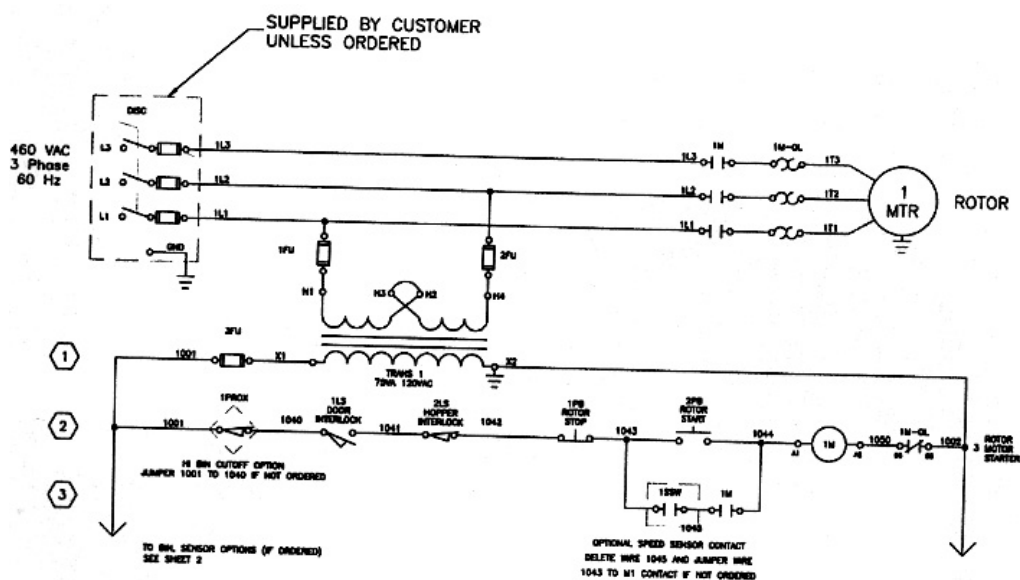
JC SERIES CUTTING CHAMBER



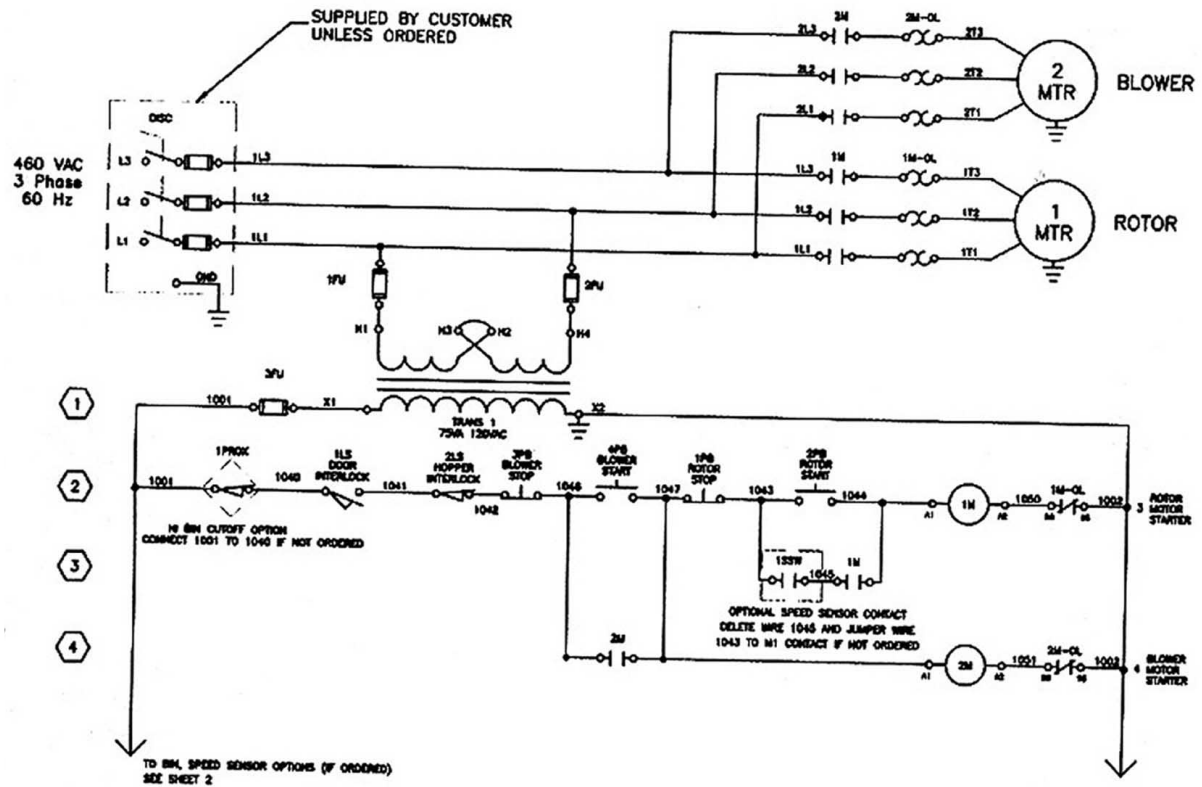
JC Series Cutting Chamber Part List

#	DESCRIPTION	QTY	JC-78	QTY	JC-810	QTY	JC-814	QTY	JC-1016	QTY	JC-1021
1	Upper Head	1	HED-00025	1	HED-00026	1	HED-00024	1	HED-00023	1	HED-00027
2	Screen Cradle	1	CRA-00018	1	CRA-00019	1	CRA-00016	1	CRA-00015	1	CRA-00020
3	Inboard Flange	1	FLG-00036	1	FLG-00036	1	FLG-00036	1	FLG-00029	1	FLG-00029
4	Bearing Cover	1	COV-00214	1	COV-00214	1	COV-00214	1	COV-00215	1	COV-00215
5	Rotor Shaft	1	SHF-00337	1	SHF-00340	1	SHF-00329	1	SHF-00324	1	SHF-00341
6	Rotor Knife Assy	1	ASY-00142	1	ASY-00177	1	ASY-00137	1	ASY-00141	1	ASY-00164
7	Outboard Flange	-	-	-	-	1	FLG-00036	1	FLG-00031	1	FLG-00031
8	Round Flange	1	FLG-00037	1	FLG-00037	1	FLG-00037	1	FLG-00030	1	FLG-00030
9	Flywheel Pulley	1	PLY-00027	1	PLY-00027	1	PLY-00027	1	PLY-00027	1	PLY-00027
10	Inboard Bearing	1	BRG-00789	1	BRG-00789	1	BRG-00789	1	BRG-00788	1	BRG-00788
11	Outboard Bearing	1	BRG-00331	1	BRG-00331	1	BRG-00331	1	BRG-00334	1	BRG-00334
12	Bearing Locknut	1	NUT-00125	1	NUT-00125	1	NUT-00125	1	NUT-00136	1	NUT-00136
13	Segment Locknut	1	NUT-00124	1	NUT-00124	1	NUT-00124	1	NUT-00133	1	NUT-00133
14	Sprocket Bushing	1	64587	1	64587	1	64587	1	BUS-00157	1	BUS-00157
15	Rotor Knife Keys	2	KEY-00031	2	KEY-00040	2	KEY-00027	2	KEY-00029	2	KEY-00037
16	Bushing Key	1	KEY-00028	1	KEY-00028	1	KEY-00028	1	KEY-00036	1	KEY-00039
17	Rotor Knife End Disc	2	DIS-00011	2	DIS-00011	2	DIS-00011	2	DIS-00012	2	DIS-00012
18	Round Flange Bolts	5	212-046-05	5	212-046-05	5	212-046-05	17	SCR-00302	17	SCR-00302
19	Inboard Flange Bolts	8	SCR-00358	8	SCR-00358	8	SCR-00358	15	212-117-08	15	212-117-08
20	Bedknife Bolts (Not Shown)	8	SCR-00842	8	SCR-00842	8	SCR-00842	12	SCR-00842	12	SCR-00842
21	Outboard Bearing Bolts	18	SCR-00843	18	SCR-00843	18	SCR-00843	4	SCR-00843	4	SCR-00843
22	Bedknives (Not Shown)	2	KNF-00003	2	KNF-00005	2	KNF-00001	2	KNF-00001	4	KNF-00004

ELECTRICAL SCHEMATIC (ROTOR ONLY)



ELECTRICAL SCHEMATIC (ROTOR & BLOWER)



OPTIONS SCHEMATIC

